



WORKING PAPER

**DANGEROUS GOODS PANEL (DGP)
WORKING GROUP MEETING (DGP-WG/15)**

Montreal, 27 April to 1 May 2015

Agenda Item 2: Development of recommendations for amendments to the *Technical Instructions for the Safe Transport of Dangerous Goods by Air (Doc 9284)* for incorporation in the 2017-2018 Edition

2.8: Part 8 — Provisions Concerning Passengers and Crew

FLAMELESS ELECTRONIC LIGHTERS

(Presented by M. Paquette)

SUMMARY

Small flameless lighters containing a lithium battery are being carried by passengers and crew. They are designed to be charged via a USB cable and store energy to be released through a heating coil to ignite cigarettes or cigars. There is some confusion as to whether these small flameless lighters should be considered a portable electronic device containing a lithium battery or a lighter under the Part 8 provisions.

Action by the DGP-WG: The DGP is invited to consider revising the provisions for lighters in Table 8-1 to include small flameless lighters containing a lithium battery.

1. INTRODUCTION

1.1 Small flameless lighters containing a lithium battery are designed to be charged via a USB cable and store energy to be released through a heating coil to ignite cigarettes or cigars in a similar way as a car lighter.

1.2 We have received reports of situations where small flameless lighters were removed at security screening points at airports as the staff could not decide whether these were to be considered as a lighter or a portable electronic device containing a lithium battery.

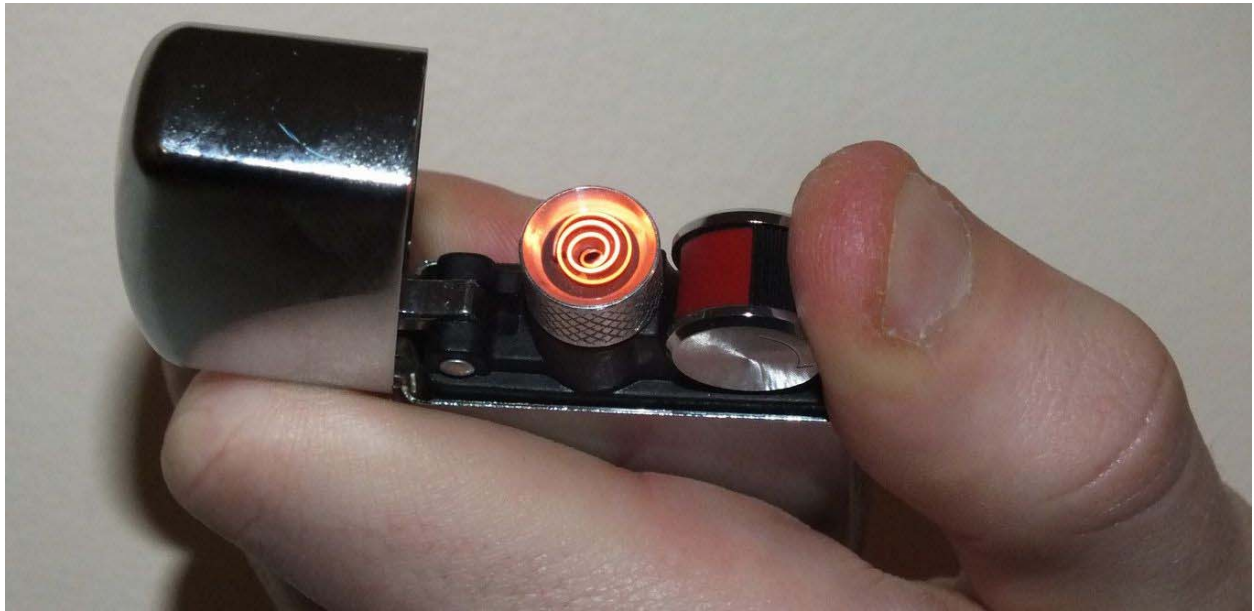


Figure 1 -Flameless electronic lighter with the heating coil activated.



Figure 2 –Example of a small flameless electronic lighter containing a lithium battery designed to be charged via a USB cable.

1.3 Considering the main purpose of these lighters (lighting up cigarettes) and their potential fire hazard, we believe that these lighters should be captured under Item 15) of Table 8-1. We also believe that the fire hazard would be mitigated by limiting these articles to one per person and requiring that they be carried on the person as is done for small cigarette lighters.

1.4 In order to be consistent, the restriction found for other articles containing lithium batteries specifying that the lithium batteries and cells are of a type which meets the requirements of each test in the *UN Manual of Tests and Criteria*, Part III, sub-section 38.3 was included.

2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to consider revising the provisions for lighters in Table 8-1 to include flameless electronic lighters containing a lithium battery.

APPENDIX

PROPOSED AMENDMENT TO PART 8 OF THE TECHNICAL INSTRUCTIONS

Part 8

PROVISIONS CONCERNING
PASSENGERS AND CREW

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Table 8-1. Provisions for dangerous goods carried by passengers or crew

Items or articles	Location			Approval of the operator(s) is required	The pilot-in-command must be informed	Restrictions
	Checked baggage	Carry-on baggage	On the person			
...						
Consumer articles						
...						
15) Small packet of safety matches	No	No	Yes	No	No	a) no more than one per person; and b) intended for use by an individual.
"Strike anywhere" matches	No	No	No	n/a	n/a	Forbidden.
Small cigarette lighter	No	No	Yes	No	No	a) no more than one per person; b) intended for use by an individual; and c) does not contain unabsorbed liquid fuel (other than liquefied gas).
Lighter fuel and lighter refills	No	No	No	n/a	n/a	Forbidden.
Premixing burner lighter (see the Glossary of Terms in Attachment 2) with a means of protection against unintentional activation	No	No	Yes	No	No	a) no more than one per person; b) intended for use by an individual; and c) does not contain unabsorbed liquid fuel (other than liquefied gas).
Premixing burner lighter (see the Glossary of Terms in Attachment 2) without a means of protection against unintentional activation	No	No	No	n/a	n/a	Forbidden.
<u>Small flameless cigarette lighter containing a lithium battery</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>a) no more than one per person;</u> <u>b) intended for use by an individual; and</u> <u>c) batteries and cells must be of a type which meets the requirements of each test in the UN Manual of Tests and Criteria, Part III, sub-section 38.3.</u>
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